



2013

SEED SUMMARY REPORT

INSPECTION RESULTS

PLANT INDUSTRIES DIVISION

BUREAU OF FEED, SEED, AND TREATED TIMBER

Missouri Department of Agriculture Mission Statement

To serve, promote, and protect the agricultural producers, processors, and consumers of Missouri's food, fuel, and fiber products.

FOREWORD

The 2013 Seed Summary report is comprised of two sections.

Section one is intended to show the reliability of labelers in meeting their claims for seed quality. Inspections listed in this section were random, with no intentional bias, for the purpose of providing a means of comparing each labeler's reliability in meeting claims. The greater the number of samples taken per labeler, the greater the probability that the consistency in meeting claims shown will represent the labeler's actual performance.

Section two is comprised of selective inspections designed specifically to curtail labeling and licensing violations of the Missouri Seed Law. Examples of violations are selling seed without a permit, selling seed out of test date, and labeling omissions or inconsistencies with the law.

Stop sales are debited to the labeler if a discrepancy from the labeler's claim is found. If a lot of seed is found offered for sale past the time allowed on the existing germination test date, that violation is charged against the possessor of the seed. Violations recorded against the possessor of the seed are listed in section two.

All inspections were performed to fulfill the regulatory responsibilities given by the Missouri Department of Agriculture by the Missouri Seed Law, Statute Sections 226.011 through 266.111 (RSMo 2000).

INTRODUCTION

The Missouri Department of Agriculture, Plant Industries Division, Bureau of Feed, Seed, and Treated Timber are pleased to publish the 2013 Seed Summary Report and Inspection Results.

In 2013, the bureau officially sampled and tested 3,430 lots of seed. As a result of seed failing to meet its labeled guarantees, 145 stop-sale orders were issued. This resulted in a compliance rate of 95.77 percent compared to 95.13 percent in 2012.

The Missouri Seed Control Laboratory tested 326 service samples in 2013. A total of 3,756 official and service samples were tested in 2013 resulting in a total of 6,625 individual tests performed.

All seed retailers are required to have their seed retested for germination every 10 months (counting the month the seed was retested.) Seed lots found to be out of test date will be placed on stop sale order until the seed has been retested and a new test date and germination rate is placed on the label or the seed is disposed of in an acceptable manner. In 2013, 78 field written stop sale orders were issued mainly on out of test date seed.

The Bureau of Feed, Seed and Treated Timber offers many seed sampling and seed testing services. The charges for analysis and analytical reports on seed samples are listed in the Missouri Seed Law Rules 2CSR 70-35.050.

For more information concerning the services offered by the Bureau of Feed, Seed, and Treated Timber, contact the feed and seed inspector in your area or contact:

**Missouri Department of Agriculture
Plant Industries Division
P.O. Box 630
Jefferson City, MO 65102**

**Email: FSTT@mda.mo.gov
(573) 751-5474 Office; (573)751-5500 Office Fax
(573) 751-4340 Seed Laboratory; (573) 526-7777 Seed Laboratory Fax**

Or visit our Web site at mda.mo.gov

BUREAU OF FEED, SEED AND TREATED TIMBER

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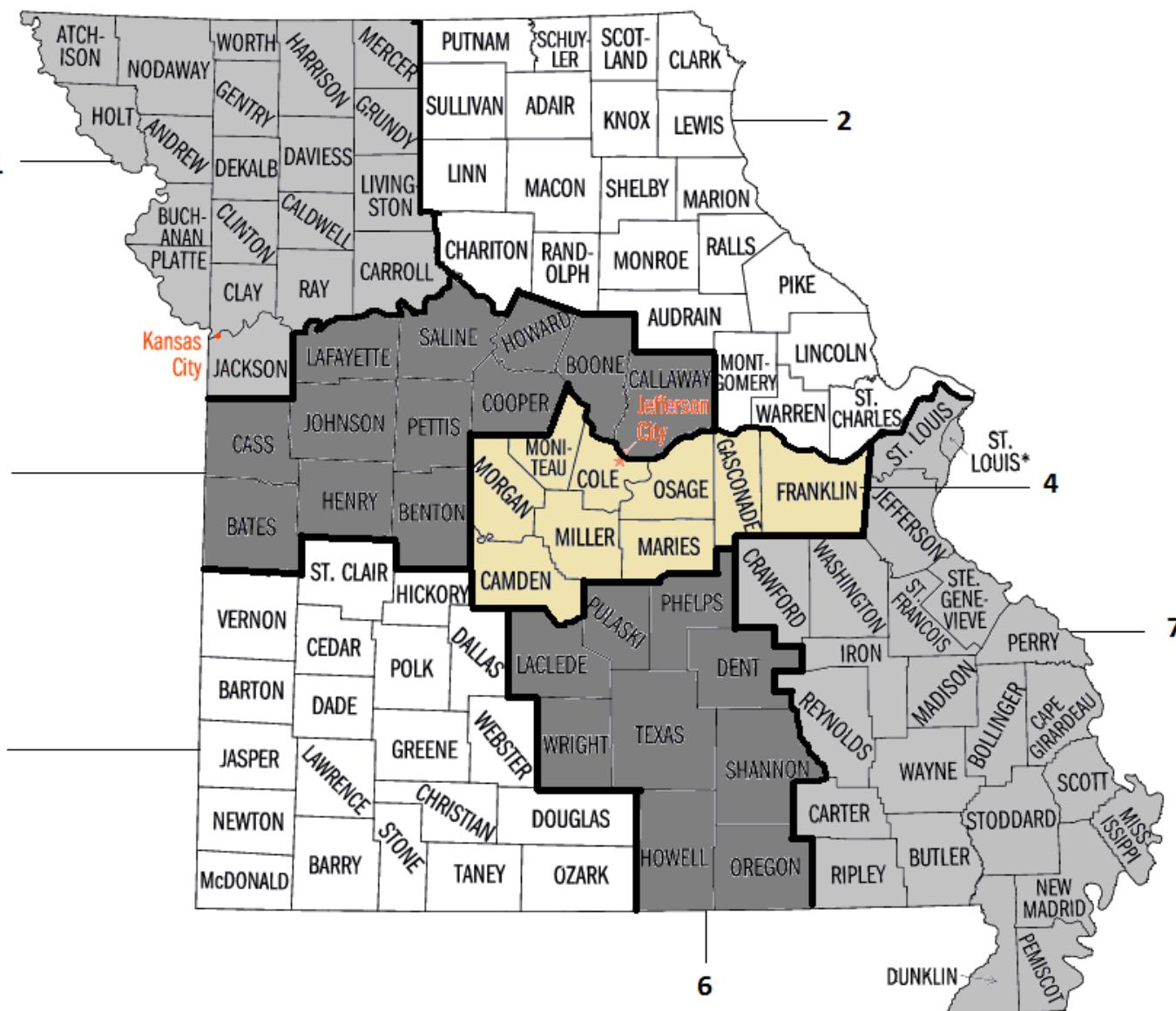
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INSPECTOR AREAS



2013 STATISTICAL SUMMARY
SAMPLES ANALYZED FOR 2013

OFFICIAL SAMPLES ANALYZED		3,430
	Purity	916
	Noxious Weed	1,022
	Germination	3,898
TOTAL NUMBER OF LOTS IN VIOLATION		145
TOTAL OFFICIAL TESTS PERFORMED		6,081
COMPLIANCE RATE OF OFFICIAL SAMPLES ANALYZED		95.77%
SERVICE SAMPLES ANALYZED		326
	Purity	35
	Noxious Weed	35
	Germination	312
	Endophyte	0
	Pure Live Seed	0
	TZ	0
	Seed Count per pound	129
	Cold Test (S/B)	33
	Other	0
TOTAL SERVICE SAMPLE TESTS PERFORMED		544
TOTAL SAMPLES FOR 2013		3,756
TOTAL TESTS PERFORMED FOR 2013		6,625
SEED PERMITS ISSUED FOR 2013		4,369

Information on samples, inspection of seeds, or service samples are available from the Bureau of Feed, Seed, and Treated Timber, 115 Constitution Drive, Jefferson City, Missouri, 65109 or by calling (573) 751-5474.

SUBMITTING SERVICE SAMPLES

Testing period for free seed analysis:

June 1 through August 31
November 1 through January 15

Testing period for charges on seed analysis:

January 16 through May 31
September 1 through October 31

Purity charges:

One cultivar	\$12.00
More than one cultivar in same sample	\$18.00
Seed having less than 90 percent pure seed	\$10.00/hour

Germination charges (highly chaffy grasses, excluded) \$12.00

Other testing charges:

TZ	\$25.00
Highly chaffy seed	\$10.00/hour
Highly chaffy germ	\$14.00
Endophyte from seed	\$20.00
Noxious and Prohibited weed seed	\$12.00
Complete Test (Including Purity, Germination, and Noxious Weeds)	\$36.00

CRITERIA FOR OBTAINING A SERVICE SAMPLE

Forward your seed in containers adequate to protect the sample.

Without proper sampling technique, test will not reflect true quality of the seed.

Bulk lot seeds:

Take a sample from several places.
Mix the seed samples thoroughly.
Make a composite sample.

Bagged lot seeds:

Take sample from approximately 10 percent of the bags.
Mix the seed samples thoroughly.
Make a composite sample.

Size of sample needed for testing:

TYPE OF SEED	SAMPLE SIZE
Large Seeds (corn, soybean, wheat, etc.)	Quart
Highly chaffy seeds (bromegrass, switchgrass, canarygrass, bluestem)	Quart
Small seeds (grass seed, legumes, clover, alfalfa, etc.)	Pint
Vegetable Seeds	100 seed minimum

SEED ANALYSIS SERVICE SAMPLE APPLICATION

Submit seed samples with request for analysis to: **State Seed Control Laboratory**
Department of Agriculture
115 Constitution Drive (65109)
P.O. Box 630 (65102)
Jefferson City, MO

PLEASE PRINT OR TYPE THE FOLLOWING INFORMATION:

Date

Lot number or ID of seed _____ Kind of seed _____

Check the following analysis to be run: Free _____ Charge _____ (see page 6 for free & charge times)

Germination _____

Purity _____

Noxious or prohibited weed seed content

Other (please specify) _____

Person planting this seed _____ **Phone** _____

Address _____
(Route/Street No.) _____ (P.O. Box) _____

(City) _____ (State) _____ (Zip) _____

SECTION ONE

			Type of Violation							
			Lots Inspected	Lots Passed	Lots in Violation	Germination	Pure Seed	Noxious / Prohibited Weeds	Weed Seed	Other Crop
Agborn Genetics, LLC, Hermann, MO		Soybean	3	3	0					
Compliance Rate:	100.0%	Total	3	3	0	0	0	0	0	0
Agrigold Hybrids, St Francesville, IL		Corn, field Mixture	2 1	2 1	0 0					
Compliance Rate:	100.0%	Total	3	3	0	0	0	0	0	0
Agrimaxx Wheat Company, Mascoutah, IL		Wheat	1	1	0					
Compliance Rate:	100.0%	Total	1	1	0	0	0	0	0	0
Agripro-Coker (Syngenta Seeds), Berthoud, CO		Wheat	1	1	0					
Compliance Rate:	100.0%	Total	1	1	0	0	0	0	0	0
Agventure Inc, Kentland, IN		Soybean	9	8	1	1				
Compliance Rate:	88.9%	Total	9	8	1	1	0	0	0	0
America's Alfalfa, Nampa, ID		Alfalfa	1	1	0					
Compliance Rate:	100.0%	Total	1	1	0	0	0	0	0	0

		Type of Violation							
		Lots Inspected	Lots Passed	Lots in Violation	Germination	Pure Seed	Noxious / Prohibited Weeds	Weed Seed	Other Crop
Andrews Farm Seed, Carthage, MO									
	Wheat	1	1	0					
Compliance Rate:	100.0%	Total	1	1	0	0	0	0	
Armor Seed LLC, Waldenburg, AR									
	Corn, field	1	1	0					
	Wheat	1	1	0					
Compliance Rate:	100.0%	Total	2	2	0	0	0	0	
Baker Creek Heirloom Seeds, Mansfield, MO									
	Vegetables	21	19	2	2				
Compliance Rate:	90.5%	Total	21	19	2	2	0	0	
Barenbrug USA, Tangent, OR									
	Alfalfa	1	1	0					
	Mixture	17	14	3	2		1		
	Rape	1	1	0					
Compliance Rate:	84.2%	Total	19	16	3	2	0	0	
Bayer Cropscience, Lubbock, TX									
	Cotton	7	7	0					
	Rice	2	2	0					
Compliance Rate:	100.0%	Total	9	9	0	0	0	0	

		Type of Violation							
		Lots Inspected	Lots Passed	Lots in Violation	Germination	Pure Seed	Noxious / Prohibited Weeds	Weed Seed	Other Crop
Belt Fur Wool & Seed Co, Leonard, MO									
	Wheat, soft red winter	3	3	0					
Compliance Rate:	100.0%	Total	3	3	0	0	0	0	0
Big Cob Hybrids, Seward, NE									
	Soybean	1	0	1	1				
Compliance Rate:	0.0%	Total	1	0	1	1	0	0	0
Bonide Products Inc, Oriskany, NY									
	Mixture	1	0	1	1				
Compliance Rate:	0.0%	Total	1	0	1	1	0	0	0
Buchheit, Inc, Perryville, MO									
	Clover, ladino	1	1	0					
	Fescue, tall	1	0	1					1
	Lespedeza	1	1	0					
Compliance Rate:	66.7%	Total	3	2	1	0	0	0	1
Bullard Seed, Ashland, MO									
	Wheat	5	5	0					
Compliance Rate:	100.0%	Total	5	5	0	0	0	0	0
BWI Companies Inc, Nash, TX									
	Fescue, tall	1	1	0					
Compliance Rate:	100.0%	Total	1	1	0	0	0	0	0

			Type of Violation							
			Lots Inspected	Lots Passed	Lots in Violation	Germination	Pure Seed	Noxious / Prohibited Weeds	Weed Seed	Other Crop
BWI Companies Inc., Springfield, MO										
	Fescue, tall		1	1	0					
	Mixture		7	6	1			1		
	Ryegrass, annual		1	1	0					
Compliance Rate:	88.9%		Total	9	8	1	0	1	0	0
BWI Companies Inc, Texarkana, TX										
	Fescue, tall		1	0	1			1		1
	Mixture		8	8	0					
	Ryegrass, annual		1	1	0					
Compliance Rate:	90.0%		Total	10	9	1	0	1	0	0
Byron Seed Supply, Marshall, IN										
	Clover, red		1	1	0					
Compliance Rate:	100.0%		Total	1	1	0	0	0	0	0
Cache River Valley, Cash, AR										
	Rice		3	3	0					
	Wheat		3	3	0					
Compliance Rate:	100.0%		Total	6	6	0	0	0	0	0
Channel Bio, LLC, St. Louis, MO										
	Corn, field		1	1	0					
	Mixture		3	3	0					
	Soybean		16	16	0					
Compliance Rate:	100.0%		Total	20	20	0	0	0	0	0

		Type of Violation							
		Lots Inspected	Lots Passed	Lots in Violation	Germination	Pure Seed	Noxious / Prohibited Weeds	Weed Seed	Other Crop
Crookham Company, Caldwell, ID	Vegetable	1	1	0					
Compliance Rate:	100.0%	Total	1	1	0	0	0	0	0
Crop Production Services, Wyliesburg, VA	Fescue, tall	1	1	0					
Compliance Rate:	100.0%	Total	1	1	0	0	0	0	0
Discount Seeds Inc, Watertwon, SD	Oat	7	1	6	1		6		
	Rye	2	0	2	1		1		
Compliance Rate:	11.1%	Total	9	1	8	2	0	7	0
Family Tree Nursery, Overland Park, KS	Mixture	3	3	0					
Compliance Rate:	100.0%	Total	3	3	0	0	0	0	0
Farmers Ag Center, Mountain Grove, MO	Mixture	2	2	0					
Compliance Rate:	100.0%	Total	2	2	0	0	0	0	0

			Type of Violation							
			Lots Inspected	Lots Passed	Lots in Violation	Germi-nation	Pure Seed	Noxious / Prohibited Weeds	Weed Seed	Other Crop
Feldman's, Blue Springs, MO										
	Brome, smooth	1	1	0						
	Clover, alsike	1	1	0						
	Fescue, creeping red	1	0	1	1	1				
	Fescue, tall	3	3	0						
	Mixture	2	2	0						
	Timothy	1	1	0						
Compliance Rate:	88.9%	Total	9	8	1	1	1	0	0	0
Felts Seed & Supply Co, Pleasant View, TN										
	Fescue, tall	2	2	0						
	Mixture	1	1	0						
Compliance Rate:	100.0%	Total	3	3	0	0	0	0	0	0
Ferry-Morse Seed Company, Fulton, KY										
	Vegetable	24	23	1	1					
Compliance Rate:	95.8%	Total	24	23	1	1	0	0	0	0
Flick Seed Co, Kingsville, MO										
	Fescue, tall	3	2	1		1				
Compliance Rate:	66.7%	Total	3	2	1	0	1	0	0	0
Gard'n Wise, Wichita, KS										
	Mixture	2	1	1	1					
Compliance Rate:	50.0%	Total	2	1	1	1	0	0	0	0

			Type of Violation							
			Lots Inspected	Lots Passed	Lots in Violation	Germination	Pure Seed	Noxious / Prohibited Weeds	Weed Seed	Other Crop
George Keller & Sons Co, Quincy, IL										
	Clover, medium red	1	1	0						
	Fescue, tall	1	1	0						
Compliance Rate:	100.0%	Total	2	2	0	0	0	0	0	0
Grass Pad Warehouse, Olathe, KS										
	Bluegrass, Kentucky	2	1	1	1					
	Fescue, tall	4	4	0						
	Mixture	18	16	2	2					
	Ryegrass. Annual	1	1	0						
Compliance Rate:	88.0%	Total	25	22	3	3	0	0	0	0
Green Seed Co Inc, Springfield, MO										
	Alfalfa	11	11	0						
	Bahiagrass	3	3	0						
	Beet	1	0	1	1					
	Bermudagrass	5	5	0						
	Bluegrass, Kentucky	13	12	1	1					
	Brome, smooth	2	2	0						
	Buckwheat	1	1	0						
	Clover, alsike	1	1	0						
	Clover, arrowleaf	3	3	0						
	Clover, crimson	8	8	0						
	Clover, Dutch white	2	2	0						
	Clover, ladino	11	11	0						
	Clover, ladino & white	2	2	0						
	Clover, medium red	14	14	0						
	Clover, red	7	6	1						1
	Clover, white	6	6	0						
	Clover, yellow sweet	2	2	0						
	Cowpea, red ripper	1	1	0						
	Crabgrass	1	1	0						
	Fescue, creeping red	1	1	0						
	Fescue, tall	58	49	9	4	3	3			

		Type of Violation								
		Lots Inspected	Lots Passed	Lots in Violation	Germination	Pure Seed	Noxious / Prohibited Weeds	Weed Seed	Other Crop	
	Lovegrass, weeping	2	2	0						
	Millet, browntop	5	4	1		1				
	Millet, German or foxtail	1	1	0						
	Millet, Japanese	1	1	0						
	Millet, pearl	1	1	0						
	Mixture	28	24	4	1	2		1	1	
	Oat	11	6	5			5			
	Orchardgrass	23	16	7	3	4			1	
	Pea	3	3	0						
	Pea, Austrian winter	3	3	0						
	Radish	5	5	0						
	Rape	3	3	0						
	Redtop	1	1	0						
	Rye	23	23	0						
	Ryegrass	5	5	0						
	Ryegrass, annual	58	57	1			1			
	Ryegrass, perennial	13	13	0						
	Sorghum	1	0	1	1					
	Sorghum-sudangrass	6	6	0						
	Soybean	2	2	0						
	Sudangrass	8	8	0						
	Sunflower	1	1	0						
	Teffgrass	2	2	0						
	Timothy	3	3	0						
	Triticale	1	1	0						
	Turnips	5	5	0						
	Vetch, hairy	6	5	1	1					
	Wheat	19	19	0						
Compliance Rate:	91.9%	Total	393	361	32	13	9	9	2	2
Green Thumb Seed, Hamilton, MO	Vegetable		10	10	0					
Compliance Rate:	100.0%	Total	10	10	0	0	0	0	0	0

		Lots Inspected	Lots Passed	Lots in Violation	Germin- ation	Type of Violation			
						Pure Seed	Noxious / Prohibited Weeds	Weed Seed	Other Crop
Green Valley Seed Inc, Kahoka, MO									
	Alfalfa	6	5	1		1			
	Clover, alsike	1	1	0					
	Clover, ladino	2	2	0					
	Clover, medium red	3	3	0					
	Clover, yellow sweet	1	1	0					
	Fescue, creeping red	1	1	0					
	Fescue, tall	1	1	0					
	Mixture	3	3	0					
	Oat	1	1	0					
	Orchardgrass	2	2	0					
	Radish	1	1	0					
	Ryegrass, perennial	1	1	0					
	Sorghum	1	0	1		1			
	Sorghum-sudangrass	1	0	1		1			
	Soybean	13	12	1		1			
	Timothy	1	1	0					
	Trefoil, birdsfoot	1	1	0					
	Turnip	1	1	0					
Compliance Rate:	90.2%	Total	41	37	4	4	0	0	0
Growmark Inc, Bloomington, IL									
	Soybean	8	8	0					
Compliance Rate:	100.0%	Total	8	8	0	0	0	0	0
Haas Seed House, Albers, IL									
	Wheat (Cover Crop)	5	5	0					
Compliance Rate:	100.0%	Total	5	5	0	0	0	0	0

		Type of Violation								
		Lots Inspected	Lots Passed	Lots in Violation	Germination	Pure Seed	Noxious / Prohibited Weeds	Weed Seed	Other Crop	
Hamilton Native Outpost, Elk Creek, MO										
	Indiangrass	1	0	1	1			1		
	Switchgrass	2	1	1	1	1		1		
Compliance Rate:	33.3%	Total	3	1	2	2	1	0	2	0
Hoegemeyer Hybrids, Hooper, NE										
	Soybean	2	2	0						
Compliance Rate:	100.0%	Total	2	2	0	0	0	0	0	
Hummert Seeds, St Joseph, MO										
	Vegetable	58	56	2	2					
Compliance Rate:	96.6%		58	56	2	2	0	0	0	
Infinity Fertilizers Inc, Milan, IL										
	Mixture	2	1	1	1					
Compliance Rate:	50.0%	Total	2	1	1	1	0	0	0	
Jimmy Sanders, Inc, Stuttgart, AR										
	Oat	1	1	0						
Compliance Rate:	100.0%	Total	1	1	0	0	0	0	0	

		Type of Violation							
		Lots Inspected	Lots Passed	Lots in Violation	Germination	Pure Seed	Noxious / Prohibited Weeds	Weed Seed	Other Crop
Johnston Seed Company, Enid, OK									
	Alfalfa	2	2	0					
	Bermudagrass	1	1	0					
	Teff	1	1	0					
Compliance Rate:	100.0%	Total	4	4	0	0	0	0	
Kruger Seeds, Cedar Falls, IA									
	Soybean	3	3	0					
Compliance Rate:	100.0%	Total	3	3	0	0	0	0	
La Crosse Forage & Turf Seed Co, Ankeny, IA									
	Mixture	2	1	1	1				
Compliance Rate:	50.0%	Total	2	1	1	1	0	0	
La Crosse Forage & Turf Seed LLC, La Crosse, WA									
	Clover, red	1	1	0					
	Orchardgrass	1	0	1	1				
Compliance Rate:	50.0%	Total	2	1	1	1	0	0	
Lebanon Seaboard Corporation, Lebanon, PA									
	Mixture	2	2	0					
Compliance Rate:	100.0%	Total	2	2	0	0	0	0	

		Type of Violation							
		Lots Inspected	Lots Passed	Lots in Violation	Germination	Pure Seed	Noxious / Prohibited Weeds	Weed Seed	Other Crop
Leo Stroebel & Son Seed, Concordia, MO									
	Wheat, soft red winter	2	2	0					
Compliance Rate:	100.0%	Total	2	2	0	0	0	0	
Lewis Hybrids Inc, Ursa, IL									
	Soybean	1	1	0					
Compliance Rate:	100.0%	Total	1	1	0	0	0	0	
Livingston Seed Co, Columbus, OH									
	Vegetable	31	29	2	2				
Compliance Rate:	93.5%	Total	31	29	2	2	0	0	
Loveland Products, Inc, Greeley, CO									
	Corn	4	4	0					
	Mixture	5	5	0					
	Sorghum	2	2	0					
	Soybean	41	41	0					
	Wheat	3	3	0					
Compliance Rate:	100.0%	Total	55	55	0	0	0	0	
Madison County Farm Supply Inc, Fredericktown, MO									
	Clover, medium red	1	1	0					
Compliance Rate:	100.0%	Total	1	1	0	0	0	0	

			Type of Violation						
			Lots Inspected	Lots Passed	Lots in Violation	Germination	Pure Seed	Noxious / Prohibited Weeds	Weed Seed
Merschman Seeds Inc, West Point, IA									
	Soybean		7	7	0				
Compliance Rate:	100.0%	Total	7	7	0	0	0	0	0
MFA Inc. Seed Division, Columbia, MO									
	Alfalfa	10	10	0					
	Bermudagrass	1	1	0					
	Bluegrass, Kentucky	3	3	0					
	Brassica	1	1	0					
	Brome, smooth	4	3	1	1				
	Buckwheat	1	1	0					
	Clover, alsike	2	2	0					
	Clover, crimson	2	2	0					
	Clover, ladino	3	3	0					
	Clover, medium red	10	10	0					
	Clover, red	7	7	0					
	Clover, white	2	2	0					
	Corn, field	3	3	0					
	Fescue, creeping red	5	5	0					
	Fescue, red	1	1	0					
	Fescue, tall	32	29	3	1	2	1		
	Lespedeza	2	2	0					
	Millet, foxtail	1	1	0					
	Mixture	58	55	3	2	1			1
	Oat	3	2	1					
	Orchardgrass	17	17	0					
	Pea	4	4	0					
	Radish	4	4	0					
	Rape	2	2	0					
	Rye	1	1	0					
	Ryegrass, annual	10	10	0					
	Ryegrass, perennial	8	8	0					
	Sorghum	2	2	0					
	Sorghum-sudangrass	3	3	0					
	Soybean	88	88	0					
	Timothy	13	13	0					

		Lots Inspected	Lots Passed	Lots in Violation	Type of Violation				
					Germin- ation	Pure Seed	Noxious / Prohibited Weeds	Weed Seed	Other Crop
	Triticale	1	0	1			1		
	Turnip	4	4	0					
	Vetch	1	0	1	1				
	Wheat	2	2	0					
	Wheat, soft red winter	24	24	0					
Compliance Rate:	97.0%	Total	335	325	10	5	3	3	0
MFA Seed Dist, Sedalia, MO									
	Clover, ladino	1	1	0					
	Clover, medium red	3	3	0					
	Fescue, tall	10	9	1			1		
	Mixture	2	2	0					
	Oat	1	1	0					
	Orchardgrass	2	0	2			1		1
	Radish	1	1	0					
	Rye	1	1	0					
	Ryegrass, annual	2	2	0					
	Ryegrass, perennial	1	1	0					
	Timothy	1	1	0					
	Turnip	2	2	0					
	Total	27	24	3	0	0	2	0	1
Miller Seed Co, Clinton, MO									
	Clover, medium red	2	2	0					
	Fescue, tall	11	10	1			1		
	Lespedeza	1	1	0					
	Mixture	1	1	0					
	Oat	1	1	0					
	Rye	1	1	0					
Compliance Rate:	94.1%	Total	17	16	1	0	0	1	0

		Lots Inspected	Lots Passed	Lots in Violation	Type of Violation			
					Germin- ation	Pure Seed	Noxious / Prohibited Weeds	Weed Seed
Missouri Southern Seed, Rolla, MO								
Alfalfa	7	6	1				1	
Bermudagrass	2	2	0					
Bluegrass, Kentucky	5	5	0					
Brassica	4	4	0					
Brome, smooth	4	4	0					
Buckwheat	3	3	0					
Canarygrass, reed	1	1	0					
Chickory	3	1	2		2			
Chufa	1	1	0					
Clover, alsike	2	2	0					
Clover, crimson	8	8	0					
Clover, Dutch white	2	2	0					
Clover, ladino	9	9	0					
Clover, medium red	32	31	1				1	
Clover, red	15	15	0					
Clover, sweet	1	0	1				1	
Clover, white	2	2	0					
Clover, yellow sweet	2	2	0					
Cowpea	3	3	0					
Crabgrass	1	1	0					
Fescue, creeping red	2	1	1			1		
Fescue, tall	72	66	6			3	2	2
Festulolium	3	3	0					
Lab Lab	1	1	0					
Lespedeza	6	6	0					
Lespedeza, sericea	1	1	0					
Millet	2	1	1		1			
Millet, German or foxtail	1	0	1		1			
Millet, Japanese	2	2	0					
Millet, pearl	2	2	0					
Mixture	52	52	0					
Oat	3	3	0					
Orchardgrass	12	11	1			1		
Pea	10	10	0					
Radish	10	10	0					
Rape	3	3	0					

		Lots Inspected	Lots Passed	Lots in Violation	Type of Violation				
					Germin- ation	Pure Seed	Noxious / Prohibited Weeds	Weed Seed	Other Crop
	Redtop	5	5	0					
	Rye	11	11	0					
	Ryegrass	10	10	0					
	Ryegrass, annual	18	18	0					
	Ryegrass, intermediate	5	5	0					
	Ryegrass, perennial	17	17	0					
	Sorghum, grain	3	1	2		2			
	Sorghum-sudangrass	6	6	0					
	Soybean	2	2	0					
	Sugarbeets	1	1	0					
	Sunflower	1	1	0					
	Teff	2	2	0					
	Timothy	13	13	0					
	Trefoil, birdsfoot	2	2	0					
	Triticale	1	1	0					
	Turnip	13	10	3					
	Vetch	6	6	0					
	Wheat	1	1	0					
Compliance Rate:	95.1%	Total	406	386	20	0	6	5	5
								0	2
Monsanto Company, St. Louis, MO									
	Corn, field	12	12	0					
	Cotton	11	11	0					
	Mixture	54	54	0					
	Soybean	586	586	0					
	Sorghum	1	1	0					
Compliance Rate:	100.0%	Total	664	664	0	0	0	0	0
Morgan County Seeds, Barnett, MO									
	Vegetable	35	35	0					
Compliance Rate:	100.0%	Total	35	35	0	0	0	0	0

			Type of Violation							
			Lots Inspected	Lots Passed	Lots in Violation	Germination	Pure Seed	Noxious / Prohibited Weeds	Weed Seed	Other Crop
Mycogen Seeds, Indianapolis, IN										
	Corn		2	2	0					
	Mixture		4	4	0					
	Soybean		7	7	0					
	Sunflower		1	1	0					
Compliance Rate:	100.0%		Total	14	14	0	0	0	0	0
Mycogen Seeds, Marshalltown, IA										
	Soybean		10	10	0					
Compliance Rate:	100.0%		Total	10	10	0	0	0	0	0
Neco Seed, Garden City, MO										
	Soybean		20	20	0					
Compliance Rate:	100.0%		Total	20	20	0	0	0	0	0
Nexgrow, Nampa, ID										
	Alfalfa		1	1	0					
Compliance Rate:	100.0%		Total	1	1	0	0	0	0	0

			Type of Violation							
			Lots Inspected	Lots Passed	Lots in Violation	Germi-nation	Pure Seed	Noxious / Prohibited Weeds	Weed Seed	Other Crop
Nixa Hardware, Nixa, MO	Bermudagrass	1	1	0						
	Clover, crimson	1	1	0						
	Clover, ladino	1	1	0						
	Clover, red	3	3	0						
	Fescue	1	1	0						
	Fescue, tall	6	6	0						
	Lespedeza	2	2	0						
	Mixture	2	2	0						
	Oat	2	1	1		1				
	Orchardgrass	4	4	0						
	Pea	1	1	0						
	Radish	1	1	0						
	Rye	1	1	0						
	Ryegrass	1	1	0						
	Ryegrass, intermediate	1	1	0						
	Teffgrass	1	1	0						
	Triticale	1	1	0						
	Turnip	1	1	0						
	Vetch, hairy	1	1	0						
	Wheat	1	1	0						
Compliance Rate:	97.0%	Total	33	32	1	1	0	0	0	0
Nutech, Leland, IA	Soybean	2	2	0						
Compliance Rate:	100.0%	Total	2	2	0	0	0	0	0	0
Ogletree Farms, Orchard Hill, GA	Millet	1	1	0						
Compliance Rate:	100.0%	Total	1	1	0	0	0	0	0	0

		Type of Violation							
		Lots Inspected	Lots Passed	Lots in Violation	Germination	Pure Seed	Noxious / Prohibited Weeds	Weed Seed	Other Crop
Pennington Seed, Madison, GA									
	Clover, white	1	1	0					
Compliance Rate:	100.0%	Total	1	1	0	0	0	0	0
Pennington Seed, Grand Prairie, TX									
	Clover, white	1	1	0					
	Mixture	1	1	0					
Compliance Rate:	100.0%	Total	2	2	0	0	0	0	0
Pennington Seed Inc, Greenfield, MO									
	Fescue, tall	11	10	1		1		1	
	Mixture	146	141	5	2	4	1		1
	Ryegrass, annual	5	5	0					
Compliance Rate:	96.3%	Total	162	156	6	2	5	1	1
Pennington Seed Inc, Lebanon, OR									
	Fescue, tall	3	2	1		1		1	
	Mixture	6	5	1		1			
	Ryegrass, annual	1	1	0					
Compliance Rate:	80.0%	Total	10	8	2	1	1	0	1
Performance Seed, St Cloud, MN									
	Mixture	1	1	0					
Compliance Rate:	100.0%	Total	1	1	0	0	0	0	0

		Type of Violation							
		Lots Inspected	Lots Passed	Lots in Violation	Germination	Pure Seed	Noxious / Prohibited Weeds	Weed Seed	Other Crop
Phylogen Seed Co LLC, Indianapolis, IN									
	Cotton	1	1	0					
Compliance Rate:	100.0%	Total	1	1	0	0	0	0	
Pioneer Hi-Bred International, Johnston, IA									
	Alfalfa	3	3	0					
	Corn	17	17	0					
	Mixture	6	6	0					
	Sorghum	5	5	0					
	Soybean	447	434	13	13				
	Wheat	33	33	0					
Compliance Rate:	97.5%	Total	511	498	13	13	0	0	
Plantation Products, Norton, MA									
	Mixture	2	2	0					
Compliance Rate:	100.0%	Total	2	2	0	0	0	0	
Progeny Seed, Wynne, AR									
	Wheat	1	1	0					
Compliance Rate:	100.0%	Total	1	1	0	0	0	0	
Proharvest Seeds, Ashkum, IL									
	Soybean	2	2	0					
Compliance Rate:	100.0%	Total	2	2	0	0	0	0	

		Type of Violation							
		Lots Inspected	Lots Passed	Lots in Violation	Germi-nation	Pure Seed	Noxious / Prohibited Weeds	Weed Seed	Other Crop
Ragan & Massey Inc, Ponchatoula, LA									
	Fescue, tall	1	1	0					
Compliance Rate:	100.0%	Total	1	1	0	0	0	0	
Ricetec Inc, Alvin, TX									
	Rice	6	6	0					
Compliance Rate:	100.0%	Total	6	6	0	0	0	0	
Richardson Seed Inc, Vega, TX									
	Sorghum	1	1	0					
Compliance Rate:	100.0%	Total	1	1	0	0	0	0	
Rieschick Seed, Soldier, KS									
	Brome, smooth	1	1	0					
Compliance Rate:	100.0%	Total	1	1	0	0	0	0	
RLH Platinum Dist and Consulting, Lenexa, KS									
	Mixture	1	1	0					
Compliance Rate:	100.0%	Total	1	1	0	0	0	0	

			Type of Violation							
			Lots Inspected	Lots Passed	Lots in Violation	Germination	Pure Seed	Noxious / Prohibited Weeds	Weed Seed	Other Crop
S & S Seed, Stockton, MO										
	Clover, ladino & white	1	1	0						
	Clover, medium red	4	4	0						
	Fescue, tall	3	3	0						
	Oat, spring	1	0	1				1		
	Orchardgrass	2	2	0						
	Rye	1	1	0						
	Ryegrass, perennial	1	1	0						
Compliance Rate:	92.3%	Total	13	12	1	0	0	1	0	0
Saddle Butte Ag Inc, Shedd, OR										
	Mixture	1	1	0						
Compliance Rate:	100.0%	Total	1	1	0	0	0	0	0	0
Schillinger Seed Inc, West Des Moines, IA										
	Soybean	1	0	1	1					
Compliance Rate:	0.0%	Total	1	0	1	1	0	0	0	0
Schillinger Seed Inc, Indianapolis, IN										
	Soybean	1	1	0						
Compliance Rate:	100.0%	Total	1	1	0	0	0	0	0	0
Scotts Company, Marysville, OH										
	Mixture	11	11	0						
Compliance Rate:	100.0%	Total	11	11	0	0	0	0	0	0

		Type of Violation							
		Lots Inspected	Lots Passed	Lots in Violation	Germination	Pure Seed	Noxious / Prohibited Weeds	Weed Seed	Other Crop
Seed Consultants, Inc, Washington Ch, OH									
	Soybean	8	8	0					
Compliance Rate:	100.0%	Total	8	8	0	0	0	0	
Seeds, Inc, Memphis, TN									
	Pea	1	1	0					
Compliance Rate:	100.0%	Total	1	1	0	0	0	0	
Sexauer Discount Farm Services, Brookings, SD									
	Oat	2	1	1	1		1		
	Rye	3	2	1			1		
Compliance Rate:	60.0%	Total	5	3	2	1	0	2	
Shawneetown Feed & Seed Co, Jackson, MO									
	Wheat	1	1	0					
Compliance Rate:	100.0%	Total	1	1	0	0	0	0	
Siemer Enterprises, Teutopolis, IL									
	Fescue, creeping red	1	1	0					
	Fescue, tall	6	5	1			1		
	Mixture	6	6	0					
Compliance Rate:	92.3%	Total	13	12	1	0	1	0	

		Type of Violation							
		Lots Inspected	Lots Passed	Lots in Violation	Germi-nation	Pure Seed	Noxious / Prohibited Weeds	Weed Seed	Other Crop
Sorghum Partners LLC, New Deal, TX	Sorghum	1	1	0					
Compliance Rate:	100.0%	Total	1	1	0	0	0	0	0
Star Seed Inc, Osborne, KS	Millet, pearl	1	1	0					
Compliance Rate:	100.0%	Total	1	1	0	0	0	0	0
Stine Seed Farm Inc, Adel, IA	Soybean	23	20	3	3				
Compliance Rate:	87.0%	Total	23	20	3	3	0	0	0
Stratton Seed Co, Stuttgart, AR	Soybean	1	1	0					
Compliance Rate:	100.0%	Total	1	1	0	0	0	0	0
Strobel Seed, Concordia, MO	Wheat, soft red winter	1	1	0					
Compliance Rate:	100.0%	Total	1	1	0	0	0	0	0

			Type of Violation							
			Lots Inspected	Lots Passed	Lots in Violation	Germination	Pure Seed	Noxious / Prohibited Weeds	Weed Seed	Other Crop
Syngenta Seed Inc, Minneapolis, MN										
	Corn		10	10	0					
	Mixture		1	1	0					
	Soybean		36	35	1	1				
	Wheat		2	2	0					
Compliance Rate:	98.0%		Total	49	48	1	1	0	0	0
Tanner Seed Co, Bernie, MO										
	Rice		5	5	0					
	Wheat		3	3	0					
	Wheat, soft red winter		3	3	0					
Compliance Rate:	100.0%		Total	11	11	0	0	0	0	0
Tractor Supply Co, Brentwood, TN										
	Fescue, tall		3	2	1			1		
	Mixture		3	3	0					
	Ryegrass, annual		1	1	0					
Compliance Rate:	85.7%		Total	7	6	1	0	0	1	0

		Type of Violation							
		Lots Inspected	Lots Passed	Lots in Violation	Germination	Pure Seed	Noxious / Prohibited Weeds	Weed Seed	Other Crop
Tri-Star Seed Company, Spring Hill, KS									
	Bermudagrass	1	1	0					
	Bluegrass, Kentucky	3	3	0					
	Bromegrass	1	1	0					
	Buffalograss	1	1	0					
	Fescue, creeping red	1	1	0					
	Fescue, tall	19	17	2	1	2			
	Mixture	12	11	1	1				
	Orchardgrass	1	0	1		1			
	Ryegrass, annual	1	1	0					
	Ryegrass, perennial	2	2	0					
	Timothy	1	1	0					
	Turnip	1	1	0					
	Vegetable	29	29	0					
Compliance Rate:	94.5%	Total	73	69	4	2	3	0	0
Turf Merchants Inc, Tangent, OR									
	Ryegrass, perennial	1	1	0					
Compliance Rate:	100.0%	Total	1	1	0	0	0	0	0
W Atlee Burpee Co, Warminster, PA									
	Vegetable	37	37	0					
Compliance Rate:	100.0%	Total	37	37	0	0	0	0	0
Weber Seeds Inc, Marshall, MO									
	Wheat	3	3	0					
	Wheat, soft red winter	4	4	0					
Compliance Rate:	100.0%	Total	7	7	0	0	0	0	0

		Type of Violation							
		Lots Inspected	Lots Passed	Lots in Violation	Germination	Pure Seed	Noxious / Prohibited Weeds	Weed Seed	Other Crop
Western Hibrid Seed Inc, Hamilton City, CA									
	Vegetable	2	2	0					
Compliance Rate:	100.0%	Total	2	2	0	0	0	0	
Wild West Seed, Inc, Albany, OR									
	Vegetable	1	1	0					
Compliance Rate:	100.0%	Total	1	1	0	0	0	0	
Williams Lawn Seed Co, Maryville, MO									
	Bluegrass, Kentucky	3	3	0					
	Fescue, chewings	1	1	0					
	Fescue, creeping red	1	1	0					
	Fescue, red	1	1	0					
	Fescue, tall	8	6	2		2			
	Mixture	6	6	0					
	Ryegrass, perennial	1	1	0					
Compliance Rate:	90.5%	Total	21	19	0	0	2	0	
Winfield Solutions LLC, St. Joseph, MO									
	Mixture	15	12	3	1	3		1	
	Ryegrass, annual	1	1	0					
Compliance Rate:	81.3%	Total	16	13	3	1	3	0	
Winfield Solutions, LLC, St. Paul, MN									
	Mixture	1	1	0					
	Soybean	4	4	0					
Compliance Rate:	100.0%	Total	5	5	0	0	0	0	

		Type of Violation							
		Lots Inspected	Lots Passed	Lots in Violation	Germination	Pure Seed	Noxious / Prohibited Weeds	Weed Seed	Other Crop
WL Research, Nampa, ID	Alfalfa	1	1	0					
Compliance Rate:	100.0%	Total	1	1	0	0	0	0	0
Wyatt-Quarles Seed Co, Garner, NC	Fescue, tall	1	1	0					
Compliance Rate:	100.0%	Total	1	1	0	0	0	0	0
X-Seed Inc, Clear Lake, MN	Mixture	1	0	1	1	1			
Compliance Rate:	0.0%	Total	1	0	1	1	0	0	0

OVERALL TOTAL 3430 3285 145 79 37 34 6 10

SECTION TWO

VIOLATIONS OF SEED LOTS FOR REASONS OTHER THAN CONTENT CLAIMS

**VIOLATIONS ON SEED LOTS FOR REASONS
OTHER THAN CONTENTS CLAIMS**

Company	Reason Field Written Stop Sale was Issued	Number of Violations
Atwoods Ranch & Home 097-181 Webb City, MO 64870	No label	1
MFA Coop Assn #2 071-002 Washington, MO 63090	Out of test date	2
Lowes of Columbia #8 019-203 Columbia, MO 65201	Out of test date	1
Odessa Feed & Farm 107-129 Odessa, MO 64076	Out of test date	1
Orscheln Farm & Home 053-043 Boonville, MO 65233	Out of test date	22
Orscheln Farm & Home 029-050 Camdenton, MO 65020	Out of test date No label	4
Orscheln Farm & Home 019-157 Centralia, MO 65240	Out of test date	8
Orscheln Farm & Home 019-115 Columbia, MO 65202	Out of test date	12
Orscheln Farm & Home 073-056 Hermann, MO 65041	Out of test date	1

Company	Reason Field Written Stop Sale was Issued	Number of Violations
Orscheln Farm & Home 101-083 Holden, MO 64040	Out of test date	8
Orscheln Farm & Home 195-046 Marshall, MO 65340	Out of test date	7
Purdy Farm Center 009-002 Purdy, MO 65734	No label	1
Stockman Feed & Fertilizer 051-007 Jefferson City, MO	Out of test date	8
Tractor Supply #1279 071-136 Union, MO 63084	Label discrepancy	1
Wally's Hardware 071-075 Sullivan, MO 63080	Out of test date	1